

Addendum No. 2 Memorandum

DATE: September 19, 2017

TO: District Contracts / Final Plans

FROM: Vanita Saini, Project Manager 

COPIES: File

SUBJECT: **Addendum Number 2** - Letting (mo./yr.) 3/2018
 Financial Project ID 409354-2-52-01 (Lead number only)
 Proposal/Contract ID E4S44
 Federal Funds: ☐ No ☒ Yes Federal Aid No. 0951-697-1
 County: Broward State Road No. 9

Concurred by:  Date: 9-21-17
 Signature of Alternate Contracting Coordinator (John Olson (primary) / Robert Bostian (alternate)) or Designee.

Legal Approval Date:  9/21/2017
 (Dawn Raduano)

Central Office Approval Date: 9/21/17 LR
 (State Construction Office – Larry Ritchie)

FHWA Concurrence Date:  9/21/2017
 (FHWA Florida Division Office – Mark Clasgens)

CONTRACT TIME REVISED: ☒ No ☐ Yes (If yes, _____ Calendar Days)

<u>Page No(s).</u>	<u>Rev. Date</u>	<u>Description</u>
RFP, pgs. v,vi, vii	9/19/17	<p>Updated the Reference Documents listing as follows:</p> <p><u>1. Concept Design</u> Bridge Hydraulics Reports CADD Files Concept Design</p> <ul style="list-style-type: none"> • Bridge Plans • Phase 3C Summary of Scope • Roadway Design Concept Plans • <u>Pavement Construction Limits</u> <p>Conceptual Drainage Reports</p> <p><u>4. Miscellaneous</u> Rail Coordination Memorandum <u>Routine Maintenance Asphalt Conditions Table</u> SFRC 4-Track Right-of-Way Study Plans <u>including CADD Files</u> South Florida Operation and Management Agreement (For SFRC)</p>

6. Right of Way / Survey

Right of Way Documents

Right of Way Maps

Survey Coverage Exhibits

RFP, pgs. 14-16 9/19/17

Section II – Schedule of Events has been revised as follows:

Date	Event
<u>September 1, 2017</u>	Deadline for Design-Build Firm to request participation in One-on-One Alternative Technical Concept Discussion Meeting No. 2 by 5:00 pm local time.
<u>September 1, 2017</u> <u>September 18, 2017</u>	Deadline for Design-Build Firm to submit <u>revised</u> preliminary list of One-on-One Alternative Technical Concepts prior to Alternative Technical Concept Discussion Meeting No. 2 by 5:00 pm local time.
<u>September 6, 2017</u> <u>September 7, 2017</u> <u>September 20, 2017</u> <u>September 21, 2017</u>	One-on-One Alternative Technical Concept Discussion Meeting No. 2 and Erection Plan Meeting. 210 Minutes will be allotted for the Meeting.
<u>September 18, 2017</u> <u>September 29, 2017</u>	Deadline for Design-Build Firm to request participation in One-on-One Alternative Technical Concept Discussion Meeting No. 3 by 5:00 pm local time.
<u>September 18, 2017</u> <u>September 29, 2017</u>	Deadline for Design-Build Firm to submit preliminary list of One-on-One Alternative Technical Concepts <u>as well as and to submit</u> the Draft Erection Plans prior to Alternative Technical Concept Discussion Meeting No. 3 by 5:00 pm local time.
<u>September 20, 2017</u> <u>September 21, 2017</u> <u>October 3, 2017</u> <u>October 4, 2017</u>	One-on-One Alternative Technical Concept Discussion Meeting No. 3 and Erection Plan Meeting. 210 Minutes will be allotted for the Meeting.
<u>October 9, 2017</u> <u>October 19, 2017</u>	Final deadline for submission of requests for Design Exceptions or Design Variations and Formal Alternative Technical Concepts by 5:00 pm local time.
<u>October 9, 2017</u>	Final deadline for submission of Final Erection Plans by 5:00 pm local time.
<u>October 25, 2017</u> <u>November 2, 2017</u>	Department Approves/Rejects Alternative Technical Concepts and Erection Plans by 5:00 pm local time.
<u>November 8, 2017</u>	Final deadline for submission of Final Erection Plans by 5:00 pm local time.
<u>November 1, 2017</u> <u>November 9, 2017</u>	Approved ATC's and approved Design Exceptions added to posted RFP by Addendum (if needed).
<u>November 10, 2017</u>	Deadline for Design-Build Firm to request participation in One-on-One Alternative Technical Concept Discussion Meeting No. 4 by 5:00 pm local time.
<u>November 10, 2017</u>	Deadline for Design-Build Firm to submit discussion items agenda for One-on-One Alternative Technical Concepts and Erection Plans prior to Alternative Technical Concept Discussion Meeting No. 4 by 5:00 pm local time.
<u>November 6, 2017</u> <u>November 7, 2017</u> <u>November 14, 2017</u>	One-on-One Alternative Technical Concept Discussion Meeting No. 4 <u>and Erection Plan Meeting</u> . 420 <u>210</u> Minutes will be allotted for this Meeting. This Alternative Technical Concept meeting is for

Date	Event
<u>November 15, 2017</u>	continuing discussion on Alternative Technical Concepts and/or Erection Plans submitted <u>on or</u> prior to October 9 <u>19</u> , 2017 for which the Department requested additional information and were <u>not</u> approved; <u>for continuing discussion on Final Erection Plans submitted on or prior to November 8, 2017;</u> and/or for new Alternative Technical Concepts and/or Erection Plans that are a direct response to an Addendum issued on or after November 4 <u>9</u> , 2017. No other new Alternative Technical Concept and/or Erection Plan submittals will be accepted after the November 4 <u>9</u> , 2017 Addendum deadline.
<u>November 22, 2017</u>	<u>Department Approves/Rejects Final Erection Plans by 5:00 pm local time.</u>
<u>November 22, 2017</u> <u>November 30, 2017</u>	Deadline for submittal of Alternative Technical Concept Proposals <u>and Erection Plans</u> for which the Department requested additional information and were not approved, or for new ATCs <u>and corresponding Erection Plans</u> that are a direct response to an Addendum issued on or after November 4 <u>9</u> , 2017. Deadline is 5:00 pm local time.
<u>December 11, 2017</u>	<u>Department Approves/Rejects Alternative Technical Concept Proposals and Final Erection Plans for which the Department requested additional information and were not previously approved, or new ATCs and corresponding Erection Plans that are a direct response to an Addendum issued on or after November 9, 2017. Deadline is 5:00 pm local time.</u>
<u>December 4, 2017</u> <u>December 14, 2017</u>	Deadline for submittal of questions, for which a response is assured, prior to the submission of the Technical Proposal. All questions shall be submitted to the Pre-Bid Q&A website by 5:00 pm local time.
<u>December 11, 2017</u> <u>December 21, 2017</u>	Deadline for the Department to post responses to the Pre-Bid Q&A website for questions submitted by the Design-Build Firms prior to the submittal of the Technical Proposal by 5:00 pm local time.
<u>December 21, 2017</u> <u>January 8, 2018</u>	Technical Proposals due in District Office by 12:00 pm local time
<u>December 21, 2017</u> <u>January 9, 2018</u>	Deadline for Design-Build Firm to “opt out” of Technical Proposal Page Turn meeting.
<u>January 16, 2018</u>	Technical Proposal Page Turn Meeting. Times will be assigned during the Pre-Proposal Meeting. 30 Minutes will be allotted for this Meeting.

RFP, pgs. 38-40 9/19/17

Section V.F. Railroad Coordination has been revised as follows:
“~~Drainage~~ Requirements within the Railroad Corridor Right of Way”

“The following minimum temporary clearances shall be maintained by the Design-Build Firm during construction:

1. Vertical - 24.25 feet above top of rail (ATR) (temporary) or not less than existing vertical clearances. For all bridge painting work, the Design-Build Firm shall coordinate with SFRTA to establish minimum allowable criteria regarding encroachment of painting containment systems into the

vertical clearance over rail.

2. Horizontal – 12 feet along tangent sections of track measured perpendicular to the track (temporary).

For all new bridge construction over the railroad and/or adjacent roadway construction. ~~T~~he Design-Build Firm shall comply with the following drainage requirements:

1. No stormwater shall be directed towards or allowed to stand or pond within the railroad corridor Right of Way. Earth swales, concrete, and asphalt gutters shall be used to convey stormwater to municipal or private collection systems or storage ponds outside the railroad corridor Right of Way. The Design-Build Firm is responsible for securing the appropriate stormwater discharge location.

“6. Downspouts, scuppers, and spillways will not be allowed to disperse or allow drainage onto railroad property at any time. All bridge drainage systems must convey stormwater off of and away from railroad property by use of a closed collection system such as piping or a closed channel type system. The Design-Build Firm is responsible for securing the appropriate stormwater discharge location.”

“2. Excavation and Shoring

- a. Shoring may not be required if all of the following conditions are satisfied:
 - i. Excavation does not encroach upon a 1½ horizontal: 1 vertical theoretical slope line starting 1'-6" below top of rail and at 12'-0" minimum from centerline of the track (live load influence zone).
 - ii. Track is on level ground or in a cut section and on stable soil.
 - iii. Excavation does not adversely impact the stability of an SFRTA facility as determined by the SFRTA Engineer.
 - iv. Shoring is not required by any governing construction code.”

“e. The Design-Build Firm shall protect existing SFRTA structures and utilities, ~~and perform pre and post construction surveys, vibration and settlement monitoring of existing structures~~ in accordance with Section 108 of the FDOT Standard Specifications, ~~Section 108 Protection of Existing Structures.~~”

“The Design-Build Firm shall guarantee the performance of all structural components in accordance with Section I475, Value Added Bridge Components, included ~~as in~~ Attachment FP.”

RFP, pg. 65	9/19/17	<p>Section VI.C. Geotechnical Services, Subsection Driven Pile Foundations for Bridges and Major Structures has been revised as follows:</p> <p><u>“Also, the Department will entertain, as appropriate, an ATC to allow the use of a resistance factor up to 0.80 for piles driven with 100% Dynamic Testing utilizing Embedded Data Collectors (EDC) and the Tran, et.al, method of analysis of EDC data when all loose and soft materials shallower than 80 feet in depth are to be penetrated. The Department continues to assess the use of EDC and therefore this ATC option will not be classified as innovative, and as such the Department will not score based on the use of this technology.”</u></p>
RFP, pg. 78	9/19/17	<p>Section VI.F. Geometric Design, Subsection General has been revised as follows:</p> <p>“Unless otherwise indicated in the Concept Plans, all I-95 (including existing 95 Express) and I-595 pavement not designated to be widened or reconstructed is to be milled and resurfaced, including overbuild as required. <u>Refer to Reference Document 1 for the layout illustrating the Pavement Construction Limits.</u>”</p> <p><u>“All ground surface areas beneath proposed and existing bridges shall consist of a concrete apron, miscellaneous asphalt, crushed rock or other hardscape material as approved by the Department. Turf materials (seed, sod, mulch, etc.) and vegetation ground cover are not acceptable for use in these areas.”</u></p>
RFP, pg. 81	9/19/17	<p>Section VI.F. Geometric Design, Subsection Horizontal and Vertical Alignments has been revised as follows:</p> <ul style="list-style-type: none"> • <u>“For the maximum grades criteria for ramps as defined under PPM Volume 1 Table 2.6.1 - Maximum Grades, the special case allowance of up to a 2% greater one-way descending grade on ramps is not applicable to this project.”</u>
RFP, pg. 91	9/19/17	<p>Section VI.H. Structure Plans, Subsection 2.m.xiii has been revised as follows:</p> <p>“Piers requiring strengthening, retrofit, and/or replacement shall be submitted in an ATC for a representative sample of each family of pier types (e.g., C-Piers, Hammerhead, Straddle Piers, etc.). <u>This includes the piers shown to be strengthened, retrofitted, and/or replaced in the Concept Design.</u> The ATC shall show a detailed step-by-step sequence of construction of all the substructure elements. <u>At a minimum, the ATC will need to provide details sufficient to address: a transparent load distribution between old and new elements, restrained shrinkage between old and new elements, surface preparation between old and new elements, concrete consolidation measures, mock-up testing for connections, public safety measures, etc. The piers may be grouped where the strengthening, retrofit, and/or replacement details are similar.”</u></p>

RFP, pgs. 136&138 9/19/17

Section VI.O. Signing and Pavement Marking Plans has been revised as follows:

“Registered ~~ed~~ Carpools multi-post signs shall be installed as shown on the Signing Master Plan.”

“The Design-Build Firm shall be responsible for installing and retrofitting sign panels and structures within the Broward Boulevard Park & Ride as shown in the Signing Master Plan included in Reference Document 1.”

RFP, pg. 145 9/19/17

Section VI.S. Tolling Infrastructure Requirements has been revised as follows:

“The table below is a complement to the GTR and contains infrastructure types and quantities that shall be furnished and installed by the Design-Build Firm.

Infrastructure Type & Quantity	Tolling Point(s)
	Applies to All Locations
Gantry Type	Non-accessible
Gantry Quantity	<u>43</u>
Pavement Type	Asphalt
Building Type	New
Building Quantity	<u>43</u>
E6 Reader Location	Gantry
Building Communication Type	FDOT Fiber
End-to-End Testing	Yes

~~The single direction travel tolling point at Toll Site 3 shall have one clear span gantry.~~ The single direction of travel tolling points at Toll Site 1 ~~and Toll Site 2~~ shall be a cantilever style gantry, with the toll buildings located on the northbound side of I-95. The dual direction of travel tolling points at Toll Site 42 and Toll Site 3 shall be a dual cantilever design with the toll buildings on the northbound side of I-95. The toll gantry building for Toll Site 43 shall be placed outside of the geometry for the future Broward Boulevard PD&E, as depicted in the ITS Master Plan. The gantry and toll site shall be designed to accommodate the typical section for the future Broward Boulevard PD&E. The preliminary toll gantry concept for the Broward Boulevard PD&E is provided in Reference Document 1.

The proposed gantry site locations represent the preferred locations that have been reviewed and accepted by the Department. The Design-Build Firm shall locate the centerline of the gantries at each toll site as follows:

- Toll Gantry 1 located at Sta. 314+00, southbound tolling only
- Toll Gantry 2 located at Sta. 549+35;547+92 for the northbound tolling only gantry cantilever and Sta. 547+39 for the southbound gantry cantilever

- ~~Toll Gantry 3 located at Sta. 571+32, southbound tolling only~~
- Toll Gantry 43 located at Sta. 696+42697+47 for the northbound gantry cantilever and Sta. 696+94 for the southbound gantry cantilever”

RFP, pg. 151	9/19/17	Section VI.T. Landscape Opportunity Plans, Subsection Tree Relocation Plans has been revised as follows: “All landscape, irrigation and retaining walls within the I-95/I-595 Interchange impacted by construction shall be replaced in-kind, to the maximum extent possible. ”
RFP, pg. 152	9/19/17	Section VI.T. Landscape Opportunity Plans, Subsection Maintenance Plan has been revised as follows: “The Design-Build Firm will be responsible for preparing a Maintenance Plan in accordance with PPM Volume 1, Chapter 9 <u>and the Maintenance Rating Program (MRP) Handbook.</u> ”
RFP, pg. 156	9/19/17	Section VII.B. Submittal Requirements, Section 2: Plans has been revised as follows: “The landscape opportunity areas shall be free of roadway features that would create conflicts to proposed future landscape improvements to the maximum extent possible. ”
Attachment I	9/19/17	Updated Pavement Design Report
Attachment L	9/19/17	Updated Design-Build Functional Requirements for ITS Deployment
Ref. Doc. 1	9/19/17	Updated ITS and Signing Master Plans and CADD files with summary of changes
Ref. Doc. 1	9/19/17	Updated Roadway CADD files to reflect revised toll gantry locations
Ref. Doc. 1	9/19/17	Updated Broward Boulevard PD&E Toll Gantry Concept and CADD files
Ref. Doc. 1	9/19/17	Added CADD Files for Borings Drilled in 2017
Ref. Doc. 1	9/19/17	Added layout for Pavement Construction Limits
Ref. Doc. 1	9/19/17	Replaced Conceptual Drainage Report file which was not accessible with the Final RFP release.
Ref. Doc. 1	9/19/17	New or revised DGN files used in the Permit Plans. Modifications made to System 13 conceptual drainage design to reconcile with conceptual roadway changes made post Initial RFP and SFWMD ERP submittal. Revised WORD document, EXCEL summary table document, and PDF compiled Conceptual Drainage Report. Modifications made to System 13 conceptual drainage design to reconcile with

conceptual roadway changes made post Initial RFP and SFWMD ERP submittal.

Revised PDF of System 13 post-development drainage maps. Modifications made to System 13 conceptual drainage design to reconcile with conceptual roadway changes made post Initial RFP and SFWMD ERP submittal.

Revised EXCEL document for System 13 post-development calculations along with revised PDF of Appendix E – System 13. Modifications made to System 13 conceptual drainage design to reconcile with conceptual roadway changes made post Initial RFP and SFWMD ERP submittal.

Revised ICPR file for System 13 post-development. Modifications made to System 13 conceptual drainage design to reconcile with conceptual roadway changes made post Initial RFP and SFWMD ERP submittal.

DGN files used in post-development drainage maps, including latest System 13. Files provided in response to Bid Question 19574.

DGN files used in creation of C-10 Canal SFWMD ROW Occupancy Permit Sketches. Files were not yet available for Initial or Final RFP submittals.

DGN files used in creation of C-10 Spur Canal SFWMD ROW Occupancy Permit Sketches. Files were not yet available for Initial or Final RFP submittals.

DGN files that were Revised or Created New for delivery of the final S&S Dania Cutoff Canal SFWMD ROW Occupancy Permit Sketches. Modifications made per Additional Information submittal to SFWMD on 8/14/17.

DGN file that was revised for submittal of the revised Summary Table of Impacts to USACE on 8/28/17. Modifications made per Additional Information submittal to USACE on 8/28/17.

Ref. Doc. 1	9/19/17	Added all permitting correspondence, including the issued SFWMD ERP's, USACE Section 404 Additional Information submittal, SFWMD R/W Occupancy Permit application submittal for C-10 Canal, SFWMD R/W Occupancy Permit application submittal for C-10 Spur Canal, and issued SFWMD R/W Occupancy Permit for Dania Cutoff Canal.
Ref. Doc. 1	9/19/17	Updated FAA exhibits and data
Ref. Doc. 4	9/19/17	Added Bridge Inspection Reports for Bridge Nos. 860109, 860209, and 860426
Ref. Doc. 4	9/19/17	Added Routine Maintenance Asphalt Conditions Table
Ref. Doc. 4	9/19/17	Added Complete SFRC 4-Track Right-of-Way Study Plans and CADD Files
Ref. Doc. 6	9/19/17	Added Right of Way Maps